

Date: Monday, 1/8/2007 10:32:16 AM
User: Kim Johnston

Process Sheet

Customer : CU-DAR001 Dart Helicopters Services	Drawing Name : HELI UTILITY BASKET LH/RH 350/355
Job Number : 30117	
Estimate Number : 10208	
P.O. Number : N/A	Part Number : D350607043
This Issue : 1/8/2007 S.O. No. : N/A	Drawing Number : D350-607 REV F P7-9
Prsht Rev. : NC	Project Number : N/A
First Issue : N/A Type : LARGE FAB ASSY	Drawing Revision : F
Previous Run : 30116	Material : N/A
Written By : <u>[Signature]</u>	Due Date : 1/27/2007 Qty: 1 Um: Each
Checked & Approved By : <u>[Signature] 07.01.08</u>	
Comment : Est Rev: E as Per DSI9318 06-01-24 JLM	

Additional Product

Job Number:



Seq. #:	Machine Or Operation:	Description :
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1.0	DC	DOCUMENT CONTROL
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Comment: DOCUMENT CONTROL
Photocopy bluefile & type labels per PPPD350-607-043 CHG003

KS 07-01.17 ^①

2.0	30117A	BASKET LID ASSEMBLY
-----	--------	---------------------



Comment: Sub-Component BASKET LID ASSEMBLY
D2989-041 B 30117A.

3.0	30117B	BASKET LID ASSEMBLY
-----	--------	---------------------



Comment: Sub-Component BASKET LID ASSEMBLY
D2989-043 B 30117B.

4.0	30117C	BASKET BASE ASSEMBLY (350)
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Comment: Sub-Component BASKET BASE ASSEMBLY (350)
D2221 B 30117C.

5.0	PACKAGING 1	PACKAGING RESOURCE #1
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Comment: PACKAGING RESOURCE #1

Pick: Assembly Kit

6.0	NAS1515H4	Washer
-----	-----------	--------



Comment: Qty.: 2.0000 Each(s)/Unit Total: 2.0000 Each(s)

Pick: Assembly Kit

Qty Part Number Description Batch

2 NAS1515H4 WASHER M101428

MF 07-02-06

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Date: Monday, 1/8/2007 10:32:16 AM
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Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: HELI UTILITY BASKET LH/RH 350/355

Job Number: 30117

Part Number: D350607043

Job Number:



Seq. #:	Machine Or Operation:	Description :
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7.0	D2022101	Spacer
-----	----------	--------



Comment: Qty.: 5.0000 Each(s)/Unit Total : 5.0000 Each(s)

Pick: Assembly Kit

Qty Part Number Description Batch

5 D2022-101 Spacer B 26664

MF. 07-02-06

8.0	D2258200	Weight Placard 200lb
-----	----------	----------------------



Comment: Qty.: 1.0000 Each(s)/Unit Total : 1.0000 Each(s)

Pick: Assembly Kit

Qty Part Number Description Batch

1 D2258-200 Label B 28312

MF. 07-02-06

9.0	D2332041	Lid Prop Assembly 6.69"
-----	----------	-------------------------



Comment: Qty.: 1.0000 Each(s)/Unit Total : 1.0000 Each(s)

Pick: Assembly Kit

Qty Part Number Description Batch

1 D2332-041 Prop Ass'y B 28997 29134

MF. 07-02-06

10.0	D2530	Handle Weldment
------	-------	-----------------



Comment: Qty.: 1.0000 Each(s)/Unit Total : 1.0000 Each(s)

Pick: Assembly Kit

Qty Part Number Description Batch

1 D2530 Handle Weldment B 28997

MF. 07-02-06

11.0	D2535	Spring
------	-------	--------



Comment: Qty.: 2.0000 Each(s)/Unit Total : 2.0000 Each(s)

Pick: Assembly Kit

Qty Part Number Description Batch

2 D2535 Spring B 28363

MF. 07-02-06

12.0	D2537	Bushing
------	-------	---------



Comment: Qty.: 2.0000 Each(s)/Unit Total : 2.0000 Each(s)

Pick: Assembly Kit

Qty Part Number Description Batch

2 D2537 Bushing B 29538

MF. 07-02-06

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
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Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: HELI UTILITY BASKET LH/RH 350/355

Job Number: 30117

Part Number: D350607043

Job Number:



Seq. #:

Machine Or Operation:

Description :

13.0

D27283

Dart Logo label large



Comment: Qty.: 2.0000 Each(s)/Unit Total : 2.0000 Each(s)

Pick: Assembly Kit

Qty Part Number

Description Batch

2 D2728-3

Label B22553

MF. 07-02-06

14.0

D2931

Bumper



Comment: Qty.: 2.0000 Each(s)/Unit Total : 2.0000 Each(s)

Pick: Assembly Kit

Qty Part Number

Description Batch

2 D2931

Bumper B21131

MF. 07-02-06

15.0

AN316A

Bolt



Comment: Qty.: 2.0000 Each(s)/Unit Total : 2.0000 Each(s)

Pick: Assembly Kit

Qty Part Number

Description Batch

2 AN3-16A

Bolt M101884

MF. 07-02-06

16.0

AN413A

Bolt



Comment: Qty.: 2.0000 Each(s)/Unit Total : 2.0000 Each(s)

Pick: Assembly Kit

Qty Part Number

Description Batch

2 AN4-13A

Bolt M102959

MF. 07-02-06

17.0

AN422A

Bolt



Comment: Qty.: 7.0000 Each(s)/Unit Total : 7.0000 Each(s)

Pick: Assembly Kit

Qty Part Number

Description Batch

7 AN4-22A

Bolt M100771

MF. 07-02-06

18.0

AN517A

Bolt



Comment: Qty.: 4.0000 Each(s)/Unit Total : 4.0000 Each(s)

Pick: Assembly Kit

Qty Part Number

Description Batch

4 AN5-17A

Bolt M102140

MF. 07-02-06

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
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NOTE: Date & initial all entries

Date: Monday, 1/8/2007 10:32:16 AM
User: Kim Johnston

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: HELI UTILITY BASKET LH/RH 350/355

Job Number: 30117

Part Number: D350607043

Job Number:



Seq. #:

Machine Or Operation:

Description :

19.0

AN960JD8

Washer



Comment: Qty.: 2.0000 Each(s)/Unit Total : 2.0000 Each(s)

Pick: Assembly Kit

Qty Part Number Description Batch

2 AN960JD8 Washer m102842

mf. 07-02-06

20.0

AN960JD416

Washer



Comment: Qty.: 14.0000 Each(s)/Unit Total : 14.0000 Each(s)

Pick: Assembly Kit

Qty Part Number Description Batch

14 AN960JD416 Washer m101938

mf. 07-02-06

21.0

AN960JD416L

Washer



Comment: Qty.: 2.0000 Each(s)/Unit Total : 2.0000 Each(s)

Pick: Assembly Kit

Qty Part Number Description Batch

2 AN960JD416L Washer m101237

mf. 07-02-06

22.0

AN960JD516

Washer



Comment: Qty.: 4.0000 Each(s)/Unit Total : 4.0000 Each(s)

Pick: Assembly Kit

Qty Part Number Description Batch

4 AN960JD516 Washer m102939

mf. 07-02-06

23.0

AN9704

Washer



Comment: Qty.: 4.0000 Each(s)/Unit Total : 4.0000 Each(s)

Pick: Assembly Kit

Qty Part Number Description Batch

4 AN970-4 Washer m102929

mf. 07-02-06

24.0

MS20600AD4W3

Cherry Rivets



Comment: Qty.: 2.0000 Each(s)/Unit Total : 2.0000 Each(s)

Pick: Assembly Kit

Qty Part Number Description Batch

2 MS20600AD4W3 Rivet m14393

mf. 07-02-06

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
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Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: HELI UTILITY BASKET LH/RH 350/355

Job Number: 30117

Part Number: D350607043

Job Number:



Seq. #:

Machine Or Operation:

Description :

25.0

MS21042L3

Nut



Comment: Qty.: 2.0000 Each(s)/Unit Total : 2.0000 Each(s)

Pick: Assembly Kit

Qty Part Number Description Batch

2 MS21042L3 Nut (or -3) M102217

MF. 07-02-06

26.0

MS21042L4

Nut



Comment: Qty.: 9.0000 Each(s)/Unit Total : 9.0000 Each(s)

Pick: Assembly Kit

Qty Part Number Description Batch

9 MS21042L4 Nut (or -4) M19185

MF. 07-02-06

27.0

MS21042L5

Nut



Comment: Qty.: 4.0000 Each(s)/Unit Total : 4.0000 Each(s)

Pick: Assembly Kit

Qty Part Number Description Batch

4 MS21042L5 Nut (or -5) M19349

MF. 07-02-06

28.0

SMALL FAB 1

SMALL & MEDIUM FAB RESOURCE 1



Comment: SMALL & MEDIUM FAB RESOURCE 1

Assemble as per Dwg D350-607

Seal Support Gusset with Sikaflex -291

Batch: M102672

Exp Date: 02/2007

MF. 07-02-06

29.0

QC5

INSPECT WORK TO CURRENT STEP



Comment: INSPECT WORK TO CURRENT STEP

SB 07/02/06

30.0

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Pick: Packing Kit

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Date: Monday, 1/8/2007 10:32:17 AM
User: Kim Johnston

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: HELI UTILITY BASKET LH/RH 350/355

Job Number: 30117

Part Number: D350607043

Job Number:



Seq. #:

Machine Or Operation:

Description :

31.0

D22301

Mounting Lug



Comment: Qty.: 4.0000 Each(s)/Unit Total : 4.0000 Each(s)

Pick: Packing Kit

Qty Part Number

Description Batch

4 D2230-1

Lug

1329372 ✓

32.0

D22303

Mounting Lug



Comment: Qty.: 4.0000 Each(s)/Unit Total : 4.0000 Each(s)

Pick: Packing Kit

Qty Part Number

Description Batch

4 D2230-3

Clamp

029601 ✓

33.0

D23241

Strut Assembly



Comment: Qty.: 1.0000 Each(s)/Unit Total : 1.0000 Each(s)

Pick: Packing Kit

Qty Part Number

Description Batch

1 *D2324-1

Strut Ass'y

028914 ✓

34.0

D2856400

Abrasion Strip



Comment: Qty.: 0.6000 f(s)/Unit Total : 0.6000 f(s)

Pick: Packing Kit

Qty Part Number

Description Batch

4 D2856-400-720 Abrasion Strip

029285 ✓

35.0

AN412A

Bolt



Comment: Qty.: 5.0000 Each(s)/Unit Total : 5.0000 Each(s)

Pick: Packing Kit

Qty Part Number

Description Batch

5 AN4-12A

Bolt

M102380 ✓

36.0

AN413A

Bolt



Comment: Qty.: 8.0000 Each(s)/Unit Total : 8.0000 Each(s)

Pick: Packing Kit

Qty Part Number

Description Batch

8 AN4-13A

Bolt

M102959 ✓

CP 01/02/07 ✓

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes ☒ No ☐ DQA: ☒ Date: 07/02/07

QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			
					1			

NOTE: Date & initial all entries

Date: Monday, 1/8/2007 10:32:17 AM
User: Kim Johnston

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: HELI UTILITY BASKET LH/RH 350/355

Job Number: 30117

Part Number: D350607043

Job Number:



Seq. #:

Machine Or Operation:

Description :

37.0

AN960JD416

Washer



Comment: Qty.: 26.0000 Each(s)/Unit Total : 26.0000 Each(s)

Pick: Packing Kit

Qty Part Number

Description Batch

26 AN960JD416

Washer

1101938 ✓

38.0

MS21042L4

Nut



Comment: Qty.: 13.0000 Each(s)/Unit Total : 13.0000 Each(s)

Pick: Packing Kit

Qty Part Number

Description Batch

13 MS21042L4

Nut (or -4)

119185 ✓

07/02/07 (1)

39.0

QC4

INSPECT 100% KITS FOR COMPLETENESS



Comment: INSPECT 100% KITS FOR COMPLETENESS

07/02/07 (1)

40.0

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Identify and pack for shipping as per PPP D350-607-043

Location: E

07/02/07

07/02/07

41.0

QC21

FINAL INSPECTION/W/O RELEASE



Comment: FINAL INSPECTION/W/O RELEASE

07/02/07 (1)

Job Completion



U 07.02.07

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

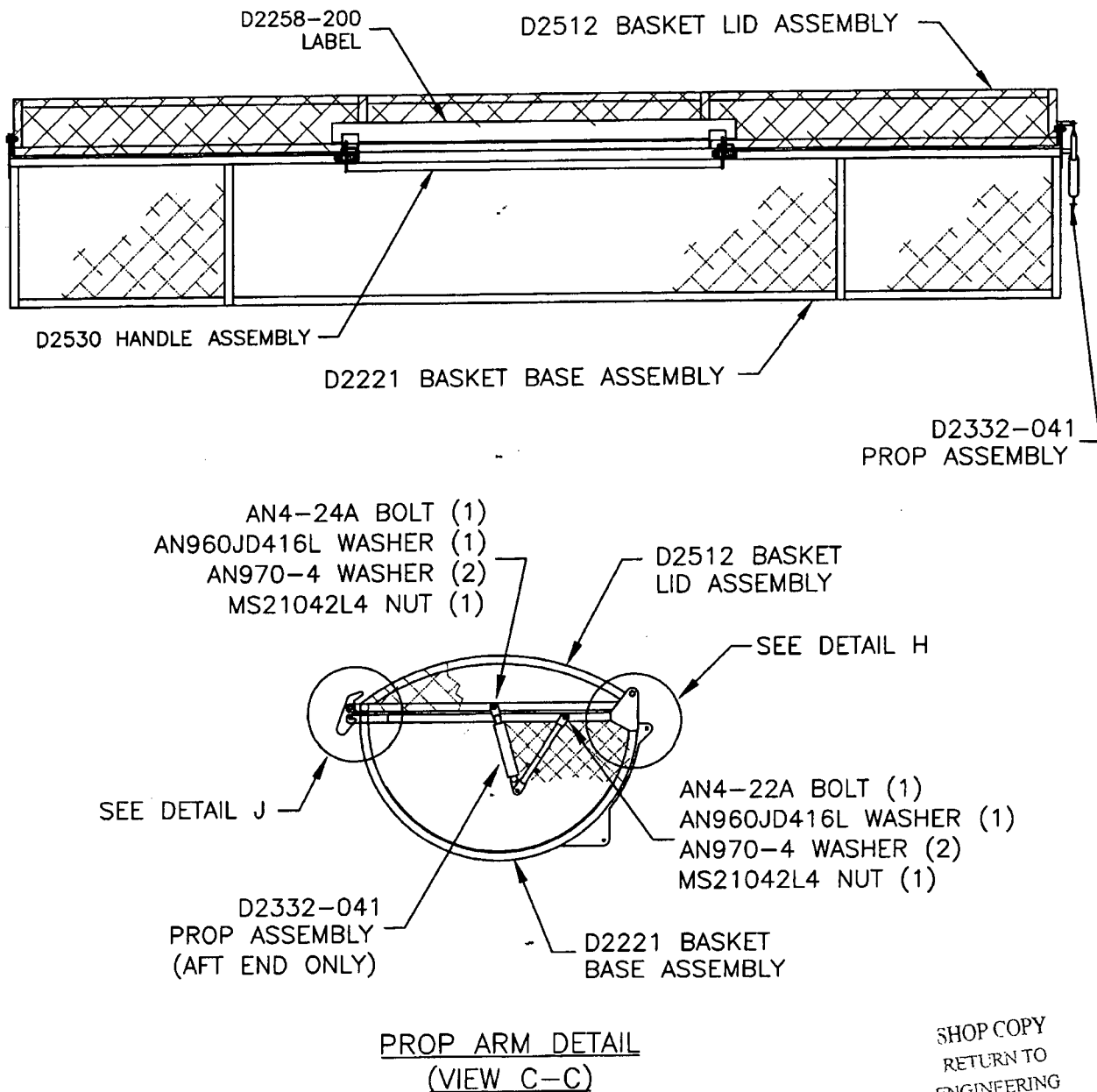


Figure 4 – Basket Replacement Parts
(D350-607-041 Heli-Utility-Basket™)

SHOP COPY
RETURN TO
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WITHOUT NOTICE
WORK ORDER
NO. 30117

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Revision: F
Date: 03.01.17

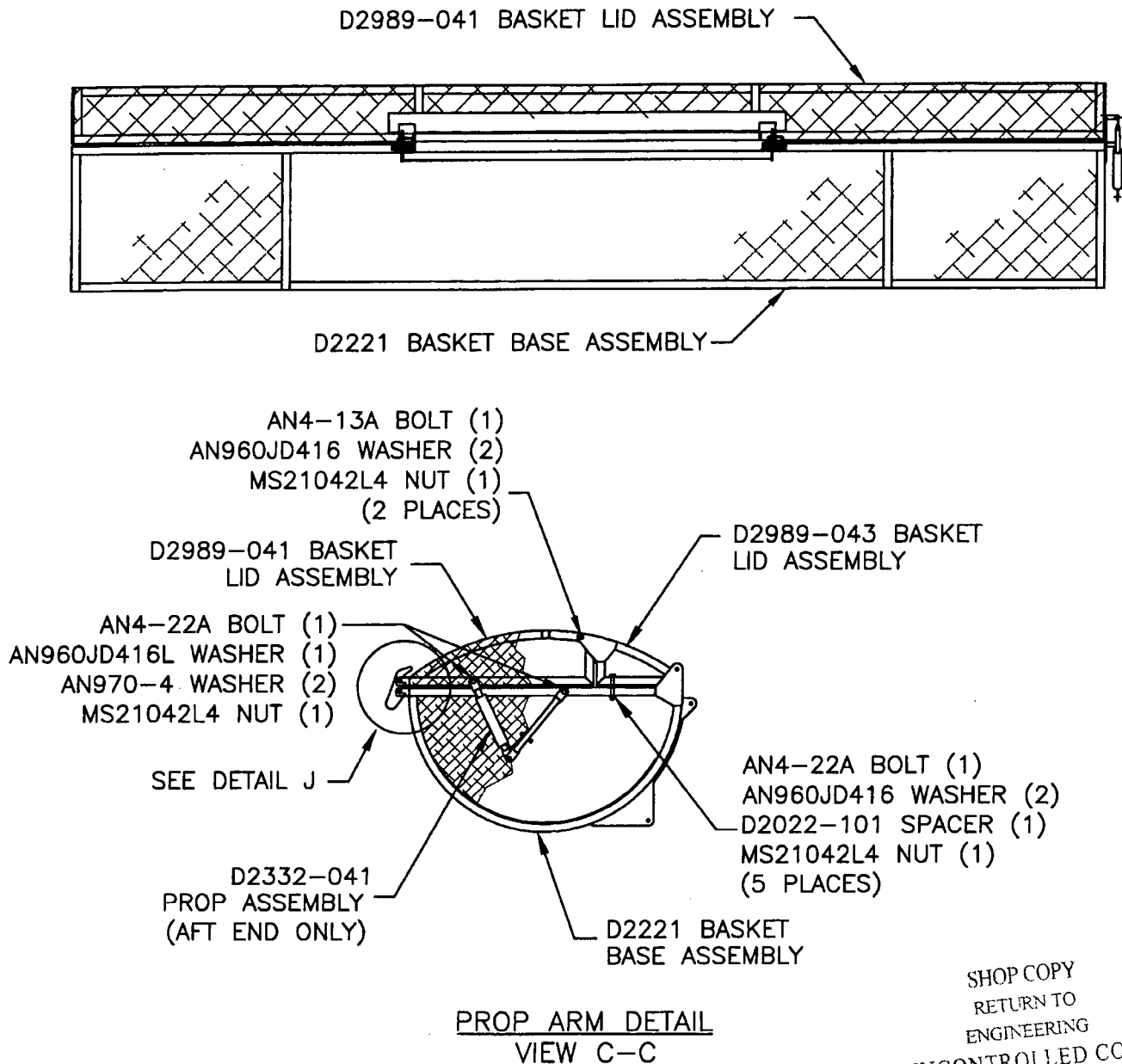
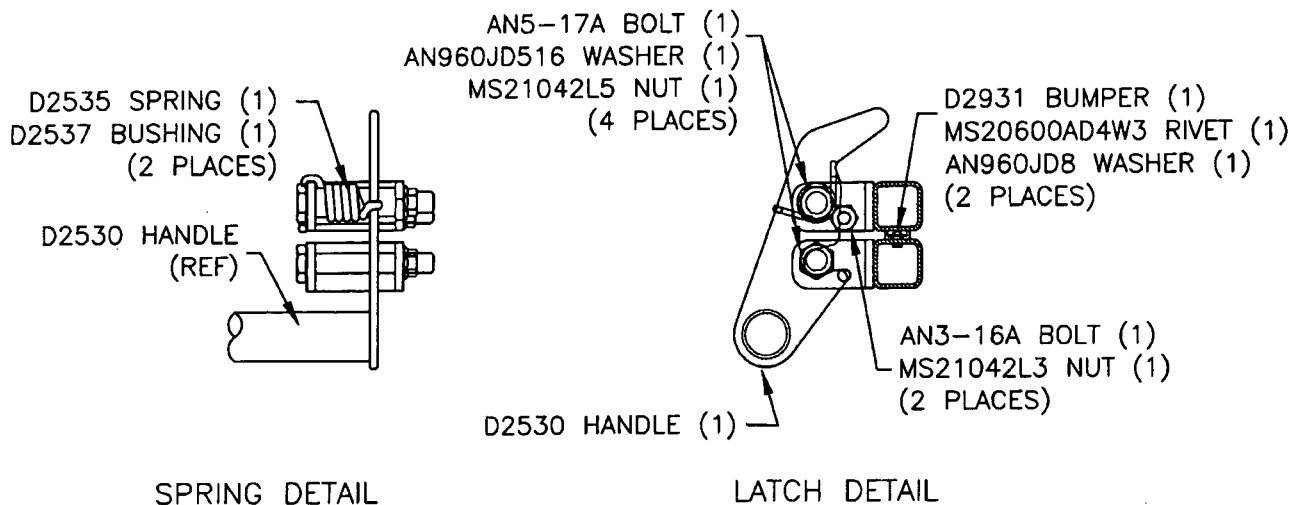


Figure 5- Basket Replacement Parts
(D350-607-043 Heli-Utility-Basket™)

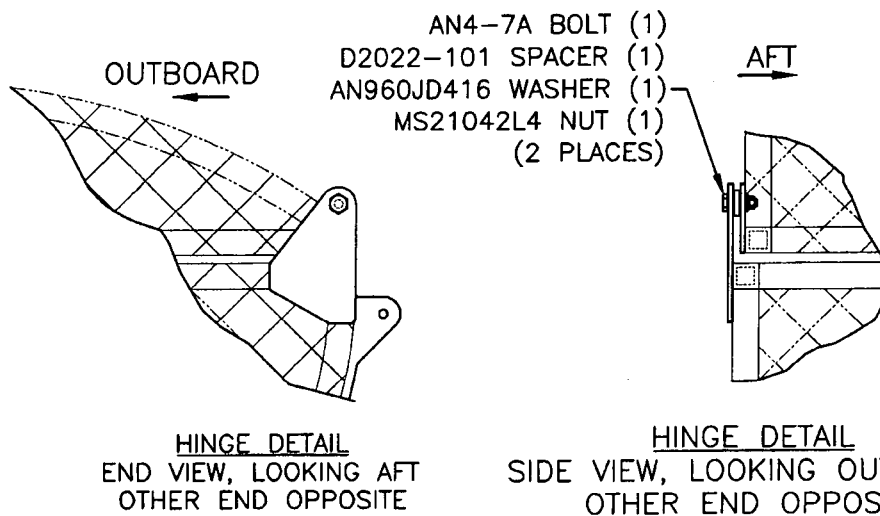
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Revision: F
Date: 03.01.17



DETAIL J:
HANDLE WELDMENT



DETAIL H:
HINGE

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WORK ORDER
NO. 30117

Figure 6 – Basket Replacement Parts

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OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.

Revision: F
Date: 03.01.17



DESIGN <i>CP</i>	DRAWN BY <i>CP</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED <i>[Signature]</i>	APPROVED <i>[Signature]</i>	DRAWING NO. DSI 9318	REV. A SHEET 1 OF 1
DATE 06.01.06		TITLE WASHER ADDITION	SCALE NTS
A	06.01.06	NEW ISSUE	

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS D350-607 REV. F

REF. CANADIAN STC: SH94-14 ISSUE 4

REF. FAA STC: SR00213NY

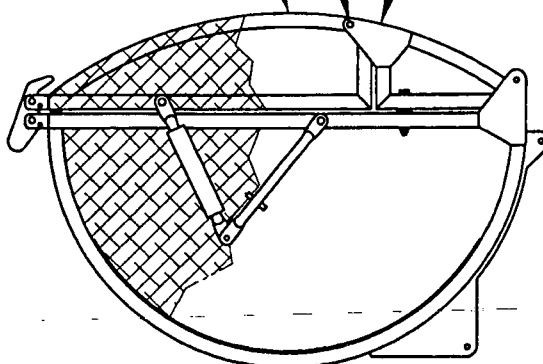
To reduce the possibility of damaging the finish, a **NAS1515H4** washer (2 places) has been added between the hinge plate and basket frame on the **D350-607-043/-047 Heli-Utility-Basket**.

The corrected bolt stackup from Figure 5 of installation instructions D350-607 Rev. F is given below:

AN4-13A BOLT (1)
AN960JD416 WASHER (1)
HINGE PLATE (REF)
NAS1515H4 WASHER (1)
BASKET FRAME (REF)
AN960JD416 WASHER (1)
MS21042L4 NUT (1)
(2 PLACES)

BASKET FRAME (REF)

HINGE PLATE (REF)



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WITHOUT NOTICE
WORK ORDER
NO. 30117

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED
BY: *[Signature]*
D. SHEPHERD (DE #02)

DATE: 06.01.06
CERT. NO.: SH94-14
ISSUE NO.: 4

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Date: Monday, 1/8/2007 10:32:37 AM
 User: Kim Johnston

Process Sheet

Customer	: CU-DAR001 Dart Helicopters Services	Drawing Name	: BASKET LID ASSEMBLY
Job Number	: 30117A		
Estimate Number	: 10206		
P.O. Number	: <u>N/A</u>	Part Number	: D2989041
This Issue	: 1/8/2007	S.O. No.	: <u>N/A</u>
Prsht Rev.	: NC	Drawing Number	: D2989 REV B
First Issue	: <u>N/A</u>	Project Number	: N/A
Previous Run	: 30116A	Drawing Revision	: B
		Material	: <u>N/A</u>
Written By	: <u>[Signature]</u>	Due Date	: 1/27/2007
Checked & Approved By	: <u>[Signature]</u> 07.01.08	Qty:	1 Um: Each
Comment	: Est Rev: Removed D2989-043 05-11-03 JLM		

Additional Product

Job Number:



Seq. #:	Machine Or Operation:	Description :
---------	-----------------------	---------------

1.0	D31663	Basket Hoop
-----	--------	-------------



Comment: Qty.: 1.0000 Each(s)/Unit Total : 1.0000 Each(s)

Pick:

Qty.(1) D3166-3 Batch: B30144

AA 07/01/31

2.0	D2581	Mounting Bracket
-----	-------	------------------



Comment: Qty.: 2.0000 Each(s)/Unit Total : 2.0000 Each(s)

Pick:

Qty Part number Description Batch

2 D2581 Mounting Brackets B28915

AA 07/01/31

3.0	D23273	Spacer Bushing
-----	--------	----------------



Comment: Qty.: 2.0000 Each(s)/Unit Total : 2.0000 Each(s)

Pick:

Qty Part number Description Batch

2 D2327-3 Bushing B28597

AA 07/01/31

4.0	D2506	Placard
-----	-------	---------



Comment: Qty.: 1.0000 Each(s)/Unit Total : 1.0000 Each(s)

Pick:

Qty Part number Description Batch

1 D2506 Label Plate B27217

AA 07/02/01

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / - Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Date: Monday, 1/8/2007 10:32:37 AM
User: Kim Johnston

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: BASKET LID ASSEMBLY

Job Number: 30117A

Part Number: D2989041

Job Number:



Seq. #:

Machine Or Operation:

Description :

5.0

M304EX07516F

Expanded Metal Flat Stai



Comment: Qty.: 15.0000 sf(s)/Unit Total : 15.0000 sf(s)

Pick:

Qty Part number

Description Batch

15sf M304EX0.75-16F Expanded Metal

M102860

07/02/01

6.0

M304TS0750W065

304 SQ Tube.75x.75x.065W



Comment: Qty.: 31.7709 f(s)/Unit Total : 31.7709 f(s)

3/4" x 3/4" x 0.063" wall 304/316 SStubing.

Batch: ~~M102765~~ M102765

07/01/31

7.0

LARGE FAB 1

LARGE FABRICATION RESOURCE 1



Comment: LARGE FABRICATION RESOURCE 1

1-Cut (4) D2236-1 From D3166-3 As Per Dwg D2989

2-Drill holes in tubing as D2989-041 per Dwg D2989

3-Deburr and remove all markings on material

4-Weld as per Dwg D2989 and D2989-041 Assembly using Welding Table and corner Jig. Deburr as required

Note: Expanded metal "diamonds" must run lengthwise. Eg 2.0" along length of lid

5-Drill Ø0.257" hole as D2989-041 per Dwg D2989 Identify as D2989-041

07/02/02

8.0

QC9

VISUAL WELDING INSPECTION



Comment: VISUAL WELDING INSPECTION

PD 07-02-02 ①

9.0

QC5

INSPECT WORK TO CURRENT STEP



Comment: INSPECT WORK TO CURRENT STEP

PD 07-02-02 ①

10.0

POWDER COATING

POWDER COATING



M103141



①

Comment: POWDER COATING

1-Powder Coat White (Ref. 4.3.5.2) D2989-041 as per QSI 005 4.3 & Dwg D2989

MB/YC 07/02/05

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: LD Date: 07/02/07
 QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Date: Monday, 1/8/2007 10:32:37 AM
User: Kim Johnston

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: BASKET LID ASSEMBLY

Job Number: 30117A

Part Number: D2989041

Job Number:



Seq. #:

Machine Or Operation:

Description :

2-Wing walk D2989-041 as per Dwg D2989 and QSI 005 4.4

Spray Paint Black: M102615

Wing Walk: M102635

a.m. 07/02/05 (1)

11.0

QC3

INSPECT POWDER COAT/CHEMICAL CONVERSION



Comment: Inspect Powder Coat and Wing Walk

MF- 07-02-05 (1)

12.0

QC21

FINAL INSPECTION/W/O RELEASE



Comment: FINAL INSPECTION/W/O RELEASE

*(1)
SP07/02/07*

Job Completion



U 07.02.07

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries



DESIGN DS	DRAWN BY PH	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED <i>H</i>	APPROVED <i>H</i>	DRAWING NO. D2989	REV. B SHEET 1 OF 3
DATE 05.06.07		TITLE BASKET LID ASSEMBLY	SCALE NTS
A	00.10.27	NEW ISSUE	
B	05.06.07	ADD SHIM UNDER HINGES, UPDATE LID DIMENSIONS	

RELEASED

05-08-19 *H*

PARTS LIST:

Qty -041	Qty -043	Part Number	Description
X		D2989-041	BASKET LID ASSEMBLY (OUTSIDE)
	X	D2989-043	BASKET LID ASSEMBLY (INSIDE)
	1	D2989-1	STRUT
	1	D2989-2	STRUT
	1	D2989-3	STRUT
	1	D2989-4	STRUT
	2	D2989-5	STRUT
	2	D2989-7	STRUT
1		D2989-9	STRUT
1		D2989-10	STRUT
1		D2989-11	STRUT
1		D2989-12	STRUT
2		D2989-13	STRUT
2		D2989-15	STRUT
2		D2327-3	SPACER BUSHING
1		D2506	LABEL PLATE
2	2	D2989-17	STRUT (96.00" LONG)
2		D2989-19	STRUT (31.19" LONG)
1		D2512-7	STRUT
2		D2581	MOUNTING BRACKET
	2	D3182-1	HINGE
	2	D3442-3	SHIM

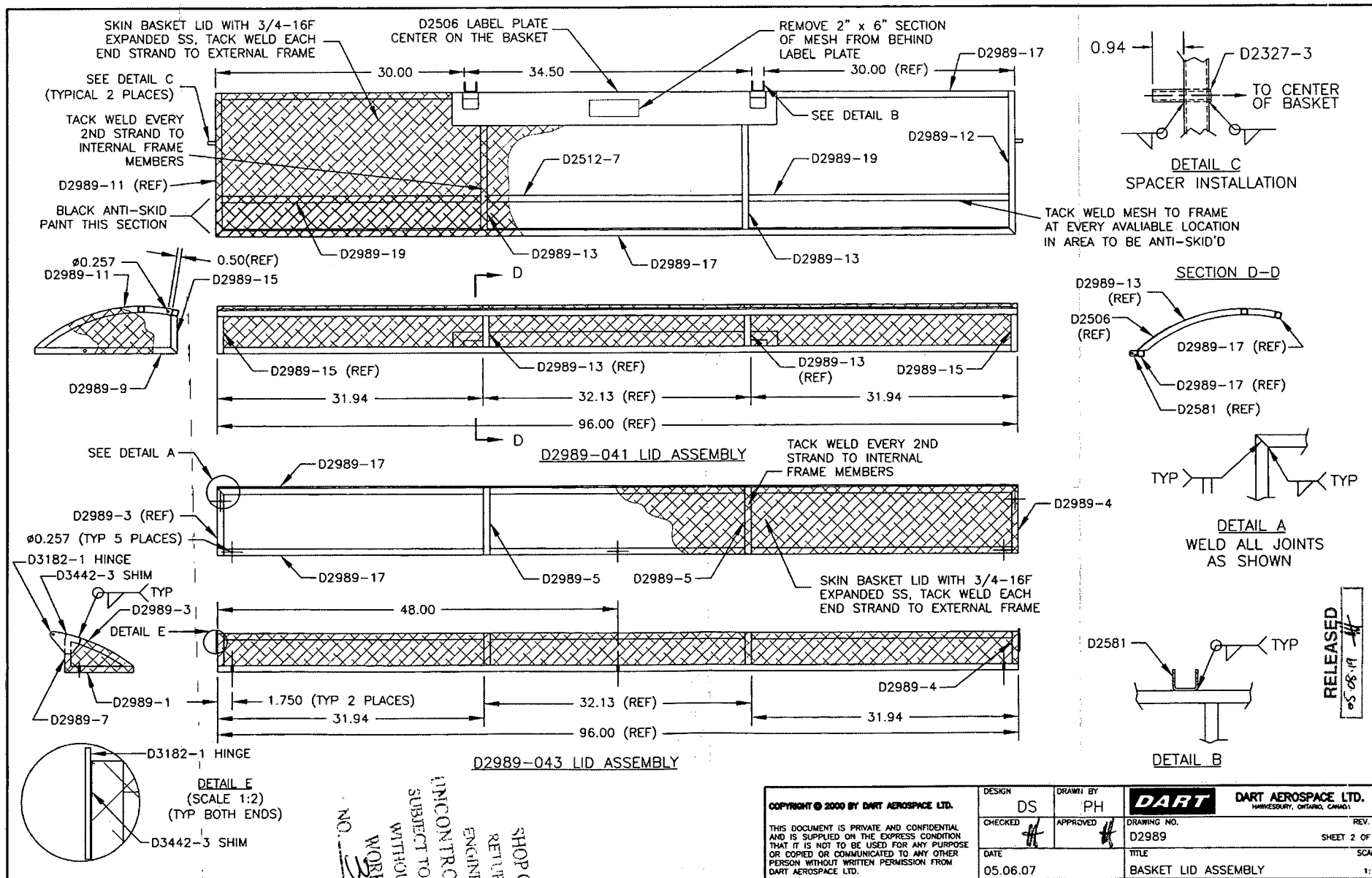
NOTES:



- 1) FRAME MATERIAL: AISI 304/316 SS, 3/4 x 3/4 x 0.060 WALL SQUARE TUBING
D2989-3/4/5/11/12/13 CAN BE MADE FROM D2236
- 2) MESH MATERIAL: 3/4-16F EXPANDED SS (REF DART SPEC M304EX0.75-16F)
- 3) WELD PER DART QSI 004
- 4) FINISH: POWDER COAT WHITE (REF. 4.3.5.2) PER DART QSI 005 4.3.
BLACK ANTI-SKID PAINT AS INDICATED PER DART QSI 005 4.4. SPRAY PAINT
INSIDE SURFACE BLACK PRIOR TO APPLYING ANTI-SKID.
- 5) ALL DIMENSIONS ARE IN INCHES
- 5) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

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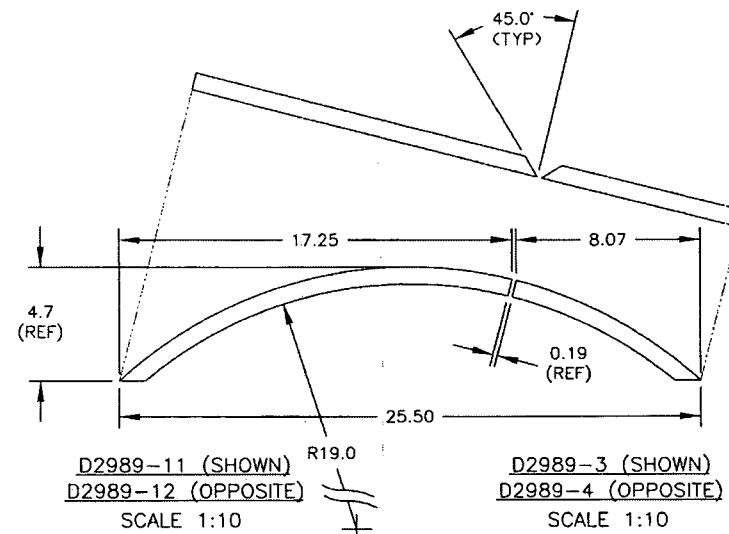
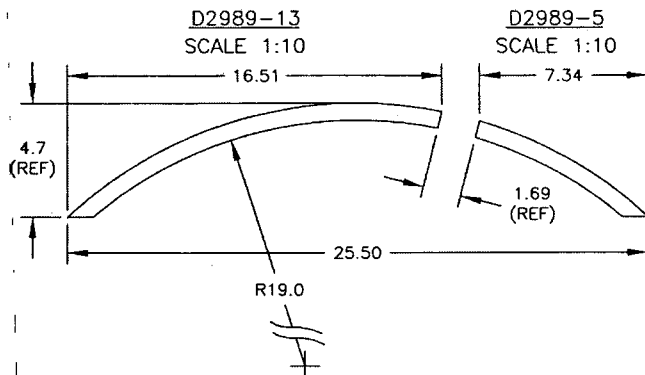
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WORK ORDER
NO. 30117A



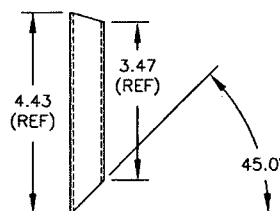
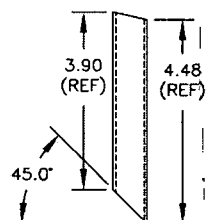
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		CHECKED 	APPROVED 	DRAWING NO.	REV.
				D2989	SHEET 2 OF 3
		DATE	TITLE	SCALE	
	05.06.07	BASKET LID ASSEMBLY		1:10	

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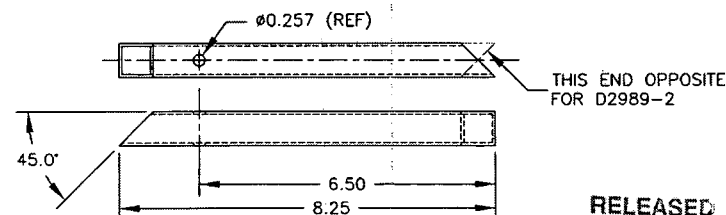


D2989-15
SCALE 2:5
(DIMENSIONS LISTED AS REFERENCE ONLY, CUT TO FIT ASSEMBLY)

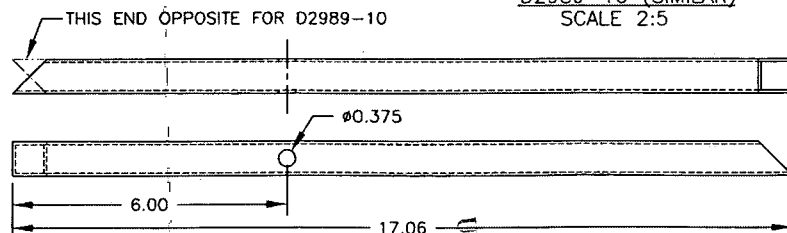
D2989-7
SCALE 2:5
(DIMENSIONS LISTED AS REFERENCE ONLY, CUT TO FIT ASSEMBLY)



D2989-1 (SHOWN)
D2989-2 (OPPOSITE)
SCALE 2:5



D2989-9 (SHOWN)
D2989-10 (SIMILAR)
SCALE 2:5



RELEASED

05.08.19

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DATE 05.06.07		TITLE BASKET LID ASSEMBLY		SCALE 1:10	

NO. 30117A
WORK ORDER
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Date: Monday, 1/8/2007 10:32:50 AM
 User: Kim Johnston

Process Sheet

Customer : CU-DAR001 Dart Helicopters Services	Drawing Name : BASKET LID ASSEMBLY
Job Number : 30117B	
Estimate Number : 10207	
P.O. Number : <u>N/A</u>	Part Number : D2989043
This Issue : 1/8/2007 S.O. No. : <u>N/A</u>	Drawing Number : D2989 REV B
Prsht Rev. : NC	Project Number : N/A
First Issue : <u>N/A</u> Type : LARGE FAB ASSY	Drawing Revision : B
Previous Run : 30116B	Material : <u>N/A</u>
Written By : <u>[Signature]</u>	Due Date : 1/27/2007 Qty: 1 Um: Each
Checked & Approved By : <u>[Signature]</u> 07.01.08	
Comment : Est Rev: Removed D2989-041 05-11-03 JLM	

Additional Product

Job Number:



Seq. #:	Machine Or Operation:	Description :
---------	-----------------------	---------------

1.0	D31821	Hinge
-----	--------	-------



Comment: Qty.: 2.0000 Each(s)/Unit Total : 2.0000 Each(s)

Pick:

Qty Part number	Description	Batch
2 D3182-1	Hinge	<u>B28851</u>

07/02/01

2.0	D34423	- Shim
-----	--------	--------



Comment: Qty.: 2.0000 Each(s)/Unit Total : 2.0000 Each(s)

Pick:

Qty Part number	Description	Batch
2 D3442-3	Shim	<u>B26740</u>

07/02/01

3.0	M304EX07516F	Expanded Metal Flat Stai
-----	--------------	--------------------------



Comment: Qty.: 8.0000 sf(s)/Unit Total : 8.0000 sf(s)

Pick:

Qty Part number	Description	Batch
8sf M304EX0.75-16F Expanded Metal		<u>M102860</u>

07/02/01

4.0	M304TS0750W065	304 SQ Tube.75x.75x.065W
-----	----------------	--------------------------



Comment: Qty.: 17.6400 f(s)/Unit Total : 17.6400 f(s)

3/4" x 3/4" x 0.063" wall 304/316 SStubing.

Batch: M102765

07/02/01

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes ☒ No ☐ DQA: ☒ Date: 07/02/07

QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Date: Monday, 1/8/2007 10:32:51 AM
User: Kim Johnston

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: BASKET LID ASSEMBLY

Job Number: 30117B

Part Number: D2989043

Job Number:



Seq. #:

Machine Or Operation:

Description :

5.0

LARGE FAB 1

LARGE FABRICATION RESOURCE 1



Comment: LARGE FABRICATION RESOURCE 1

1-Cut (4) D2236-1 From D3166-3 As Per Dwg D2989

Note: D2989-3/-4 On -041 Bom

2-Drill holes in tubing as D2989-043 per Dwg D2989

3-Deburr and remove all markings on material

4-Weld as per Dwg D2989 and D2989-043 Assembly using Welding Table and corner Jig. Deburr as required

Note: Expanded metal "diamonds" must run lengthwise. Eg 2.0" along length of lid

07/02/02

6.0

QC9

VISUAL WELDING INSPECTION



Comment: VISUAL WELDING INSPECTION

PD 07-02-02 (1)

7.0

QC6

DIMENSIONAL CHECK



Comment: DIMENSIONAL CHECK

PD 07-02-02 (1)

8.0

POWDER COATING

POWDER COATING



NI 103141



(1)

Comment: POWDER COATING

1-Powder Coat White (Ref. 4.3.5.2) D2989-041 as per QSI 005 4.3 & Dwg D2989

MAH/yl 07/02/05

9.0

QC3

INSPECT POWDER COAT/CHEMICAL CONVERSION



Comment: Inspect Powder Coat

mf. 07-02-06

10.0

QC21

FINAL INSPECTION/W/O RELEASE



Comment: FINAL INSPECTION/W/O RELEASE

07/02/07

Job Completion



U 07.02.07

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries



DESIGN DS	DRAWN BY PH	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED <i>[Signature]</i>	APPROVED <i>[Signature]</i>	DRAWING NO. D2989	REV. B SHEET 1 OF 3
DATE 05.06.07		TITLE BASKET LID ASSEMBLY	SCALE NTS
A	00.10.27	NEW ISSUE	
B	05.06.07	ADD SHIM UNDER HINGES, UPDATE LID DIMENSIONS	

RELEASED

05-08-19 *[Signature]*

PARTS LIST:

Qty -041	Qty -043	Part Number	Description
X		D2989-041	BASKET LID ASSEMBLY (OUTSIDE)
	X	D2989-043	BASKET LID ASSEMBLY (INSIDE)
	1	D2989-1	STRUT
	1	D2989-2	STRUT
	1	D2989-3	STRUT
	1	D2989-4	STRUT
	2	D2989-5	STRUT
	2	D2989-7	STRUT
1		D2989-9	STRUT
1		D2989-10	STRUT
1		D2989-11	STRUT
1		D2989-12	STRUT
2		D2989-13	STRUT
2		D2989-15	STRUT
2		D2327-3	SPACER BUSHING
1		D2506	LABEL PLATE
2	2	D2989-17	STRUT (96.00" LONG)
2		D2989-19	STRUT (31.19" LONG)
1		D2512-7	STRUT
2		D2581	MOUNTING BRACKET
	2	D3182-1	HINGE
	2	D3442-3	SHIM

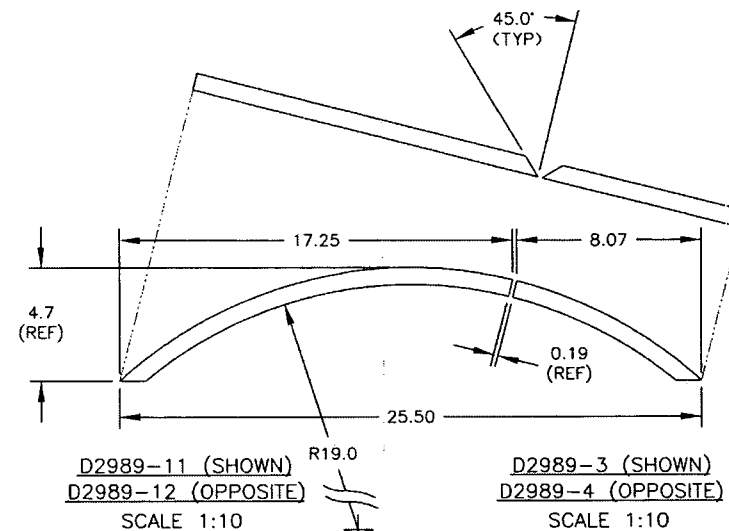
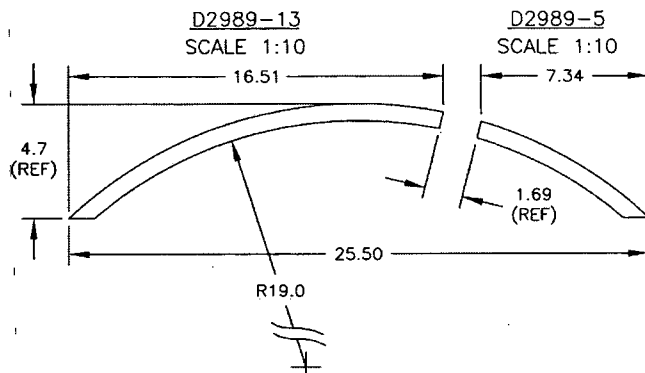
NOTES:

- 1) FRAME MATERIAL: AISI 304/316 SS, 3/4 x 3/4 x 0.060 WALL SQUARE TUBING
D2989-3/4/5/11/12/13 CAN BE MADE FROM D2236
- 2) MESH MATERIAL: 3/4-16F EXPANDED SS (REF DART SPEC M304EX0.75-16F)
- 3) WELD PER DART QSI 004
- 4) FINISH: POWDER COAT WHITE (REF. 4.3.5.2) PER DART QSI 005 4.3.
BLACK ANTI-SKID PAINT AS INDICATED PER DART QSI 005 4.4. SPRAY PAINT
INSIDE SURFACE BLACK PRIOR TO APPLYING ANTI-SKID.
- 5) ALL DIMENSIONS ARE IN INCHES
- 5) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

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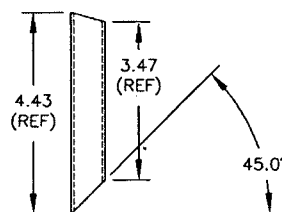
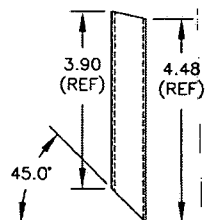
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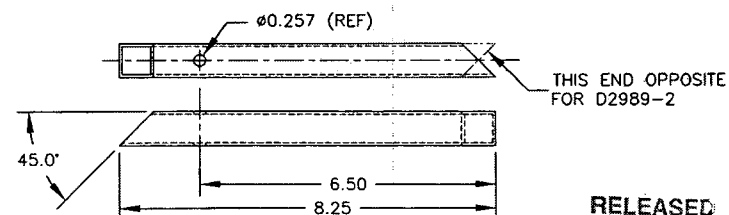


D2989-15
SCALE 2:5
(DIMENSIONS LISTED AS REFERENCE ONLY, CUT TO FIT ASSEMBLY)

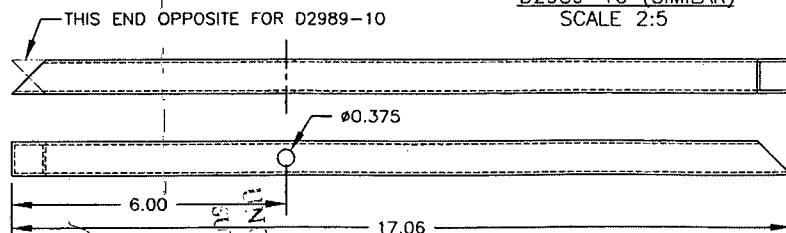
D2989-7
SCALE 2:5
(DIMENSIONS LISTED AS REFERENCE ONLY, CUT TO FIT ASSEMBLY)



D2989-1 (SHOWN)
D2989-2 (OPPOSITE)
SCALE 2:5



D2989-9 (SHOWN)
D2989-10 (SIMILAR)
SCALE 2:5



RELEASED
05.08.19

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DATE 05.06.07		TITLE BASKET LID ASSEMBLY		SCALE 1:10	

NO. 201177
WORK ORDER
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Date: Monday, 1/8/2007 10:33:13 AM
 User: Kim Johnston

Process Sheet

Customer : CU-DAR001 Dart Helicopters Services	Drawing Name : BASKET BASE ASSEMBLY (350)
Job Number : 30117C	
Estimate Number : 10189	
P.O. Number : <u>N/A</u>	Part Number : D2221
This Issue : 1/8/2007 S.O. No. : <u>N/A</u>	Drawing Number : D2221/D2235
Prsht Rev. : NC	Project Number : N/A
First Issue : <u>N/A</u> Type : LARGE FAB ASSY	Drawing Revision : F/B1
Previous Run : 30116C	Material : <u>N/A</u>
Written By : <u>[Signature]</u>	Due Date : 1/27/2007 Qty: 1 Um: Each
Checked & Approved By : <u>[Signature]</u>	
Comment : Est Rev:J 05.09.02 Added D3442-1KJ/JLM	

Additional Product

Job Number:



Seq. #:	Machine Or Operation:	Description :
---------	-----------------------	---------------

1.0	D31661	Basket Hoop
-----	--------	-------------



Comment: Qty.: 4.0000 Each(s)/Unit Total : 4.0000 Each(s)

Pick:

Qty	Part Number	Description	Batch
4	D3166-1	RIB	<u>B29610</u>

11/07/01/30

2.0	D22323	Basket Hinge
-----	--------	--------------



Comment: Qty.: 2.0000 Each(s)/Unit Total : 2.0000 Each(s)

Pick:

Qty	Part Number	Description	Batch
2	D2232-3	Hinge bracket	<u>B29132</u>

11/07/01/31

3.0	D2325	Support Gusset (350 Bask
-----	-------	--------------------------



Comment: Qty.: 4.0000 Each(s)/Unit Total : 4.0000 Each(s)

Pick:

Qty	Part Number	Description	Batch
4	D2325	Support Gusset	<u>B28313</u>

11/07/01/30

4.0	D23273	Spacer Bushing
-----	--------	----------------



Comment: Qty.: 2.0000 Each(s)/Unit Total : 2.0000 Each(s)

Pick:

Qty	Part Number	Description	Batch
2	D2327-3	Bushing	<u>B28597</u>

11/07/01/30

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Date: Monday, 1/8/2007 10:33:13 AM
User: Kim Johnston

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: BASKET BASE ASSEMBLY (350)

Job Number: 30117C

Part Number: D2221

Job Number:



Seq. #:

Machine Or Operation:

Description :

5.0

D2581

Mounting Bracket



Comment: Qty.: 2.0000 Each(s)/Unit Total : 2.0000 Each(s)

Pick:

Qty Part Number Description Batch

2 D2581 Mounting Bracket B28915

07/02/01

6.0

D34421

Shim



Comment: Qty.: 2.0000 Each(s)/Unit Total : 2.0000 Each(s)

Pick:

Qty Part Number Description Batch

2 D3442-1 Shim D28322

07/02/01

7.0

M304EX07516F

Expanded Metal Flat Stai



Comment: Qty.: 41.6745 sf(s)/Unit Total : 41.6745 sf(s)

Pick:

Qty Part Number Description Batch

39.69 sf M304EX0.75-16F Expanded Metal M102860

07/02/01

8.0

M304TS0750W065

304 SQ Tube.75x.75x.065W



Comment: Qty.: 29.4000 f(s)/Unit Total : 29.4000 f(s)

Pick:

28' 3/4" x 3/4" x 0.063 wall 304/316 SS tubing

Batch: M102765

07/01/30

9600

9.0

LARGE FAB 1

LARGE FABRICATION RESOURCE 1



Comment: LARGE FABRICATION RESOURCE 1

1-Cut D2235-1 Rib from D3166-1 Rib As Per Dwg D2235

2-Drill hole in D2221-3 as per Dwg D2221

3-Deburr

4-Remove all markings on material before welding

5-Weld as per Dwg D2221 using Welding Table and corner JigDeburr as required

07/02/02

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes ☒ No ☐ DQA: ED Date: 07/02/07
 QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Date: Monday, 1/8/2007 10:33:13 AM
User: Kim Johnston

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: BASKET BASE ASSEMBLY (350)

Job Number: 30117C

Part Number: D2221

Job Number:



Seq. #:

Machine Or Operation:

Description :

10.0

QC9

VISUAL WELDING INSPECTION



Comment: VISUAL WELDING INSPECTION

D 07-02-02

11.0

QC6

DIMENSIONAL CHECK



Comment: DIMENSIONAL CHECK

D 07-02-02

12.0

POWDER COATING

POWDER COATING



M 103.141



①

Comment: POWDER COATING

Powder Coat White Gloss (Ref: 4.3.5.1) as per QSI 005 4.3

M.B./YK

07/02/05

13.0

QC3

INSPECT POWDER COAT/CHEMICAL CONVERSION



Comment: INSPECT POWDER COAT/CHEMICAL CONVERSION

m F.

07-02-06

①

14.0

QC21

FINAL INSPECTION/W/O RELEASE



Comment: FINAL INSPECTION/W/O RELEASE

D 07/02/07

①

Job Completion



U 07-02-07

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

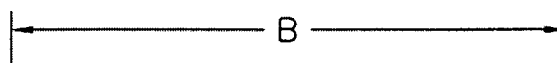
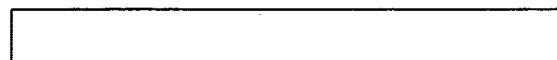
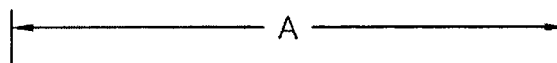
NOTE: Date & initial all entries

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DESIGN BW	DRAWN BY PH	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED <i>[Signature]</i>	APPROVED <i>[Signature]</i>	DRAWING NO. D2221	REV. F SHEET 1 OF 3
DATE 05.06.07		TITLE BASKET BASE ASSEMBLY (350)	SCALE NTS
C	95.11.21	SEPARATE BASKET AND LID	
D	96.06.21	CHANGE LATCH	
E	01.04.19	CHANGE HINGE	
F	05.06.07	ADD SHIM UNDER HINGES, ADD HOLES FOR SPLIT LID BASKETS	

RELEASED05.08.19 *[Signature]***PARTS LIST FOR D2221 BASKET BASE ASSEMBLY**

PART NO	QUANTITY	LENGTH A	LENGTH B	DESCRIPTION
D2221-1	2	—	96.00	RIB
D2221-3	2	—	25.50	RIB
D2221-5	2	18.88	—	RIB
D2221-7	1	55.25	—	RIB
D2232-3	2	N/A	N/A	HINGE PLATE
D2235-1	4	N/A	N/A	RIB
D2325	4	N/A	N/A	SUPPORT GUSSET
D2327-3	2	N/A	N/A	BUSHING
D2581	2	N/A	N/A	MTG BRKT
D3442-1	2	N/A	N/A	SHIM



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D2221-1/-3/-5/-7

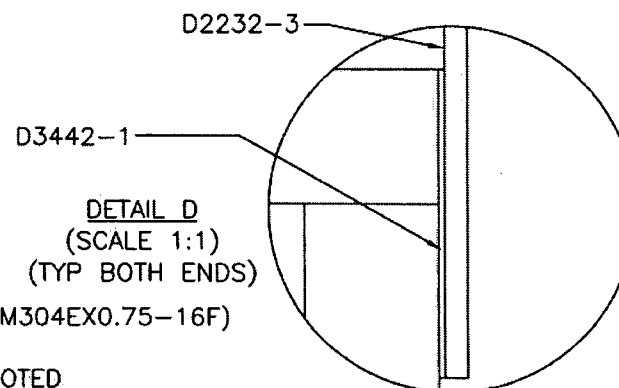
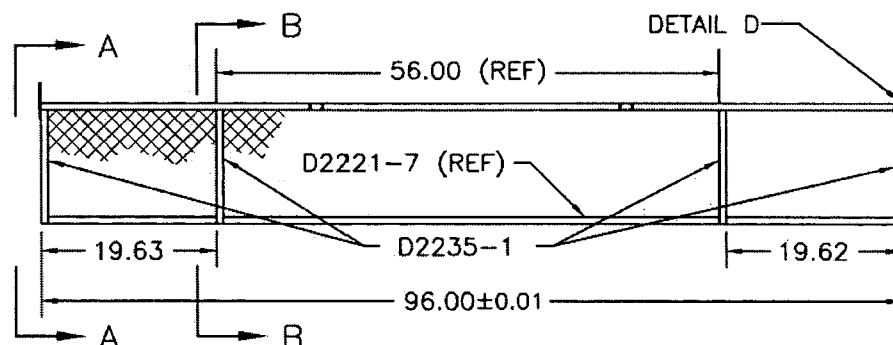
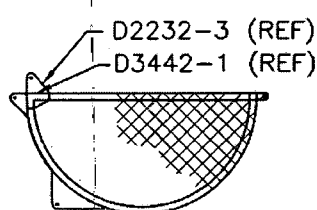
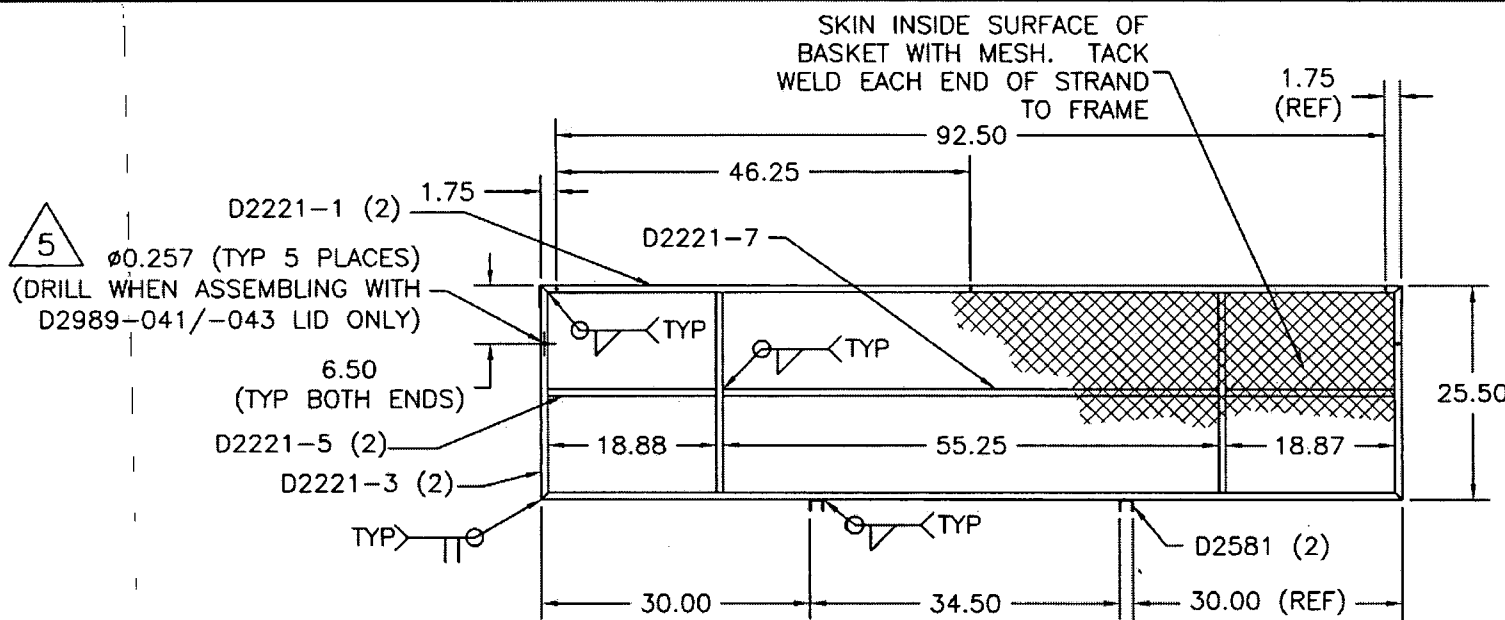
- 1) CUT LENGTH/SHAPE PER DIAGRAM AND PARTS LIST
- 2) MATERIAL: AISI 304/316 SS, 3/4 X 3/4 X 0.060 WALL SQUARE TUBING
(REF. DART SPEC M304TS0.750W.060)
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) DRILL $\phi 0.257$ HOLES ONLY WHEN ASSEMBLING D2221 BASE WITH
D2989-041/-043 BASKET LID

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CHECKED	<i>[Signature]</i>	APPROVED	<i>[Signature]</i>	HAWKESBURY, ONTARIO, CANADA	
DATE	05.06.07	DRAWING NO.	D2221		SHEET 2 OF 3
TITLE	BASKET BASE ASSEMBLY (350)	SCALE	1:20		



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D2221 BASKET BASE ASSEMBLY

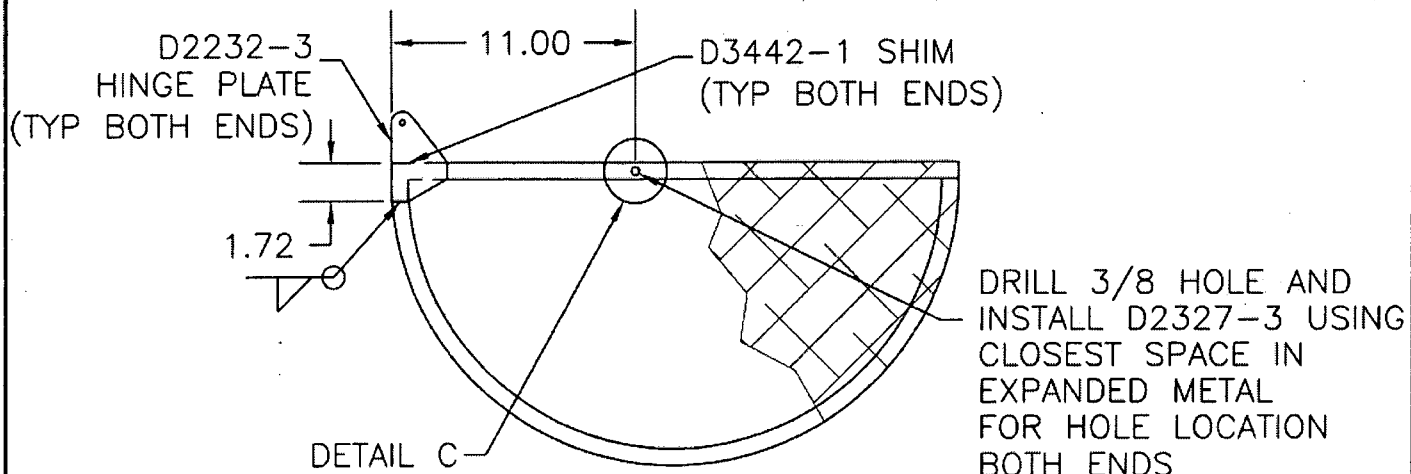
- 1) MESH MATERIAL: 3/4-16F EXPANDED SS (REF DART SPEC M304EX0.75-16F)
- 2) WELD PER DART QSI 004
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) FINISH: POWDER COAT ENTIRE ASSEMBLY WHITE (4.3.5.2) PER DART QSI 005 4.3

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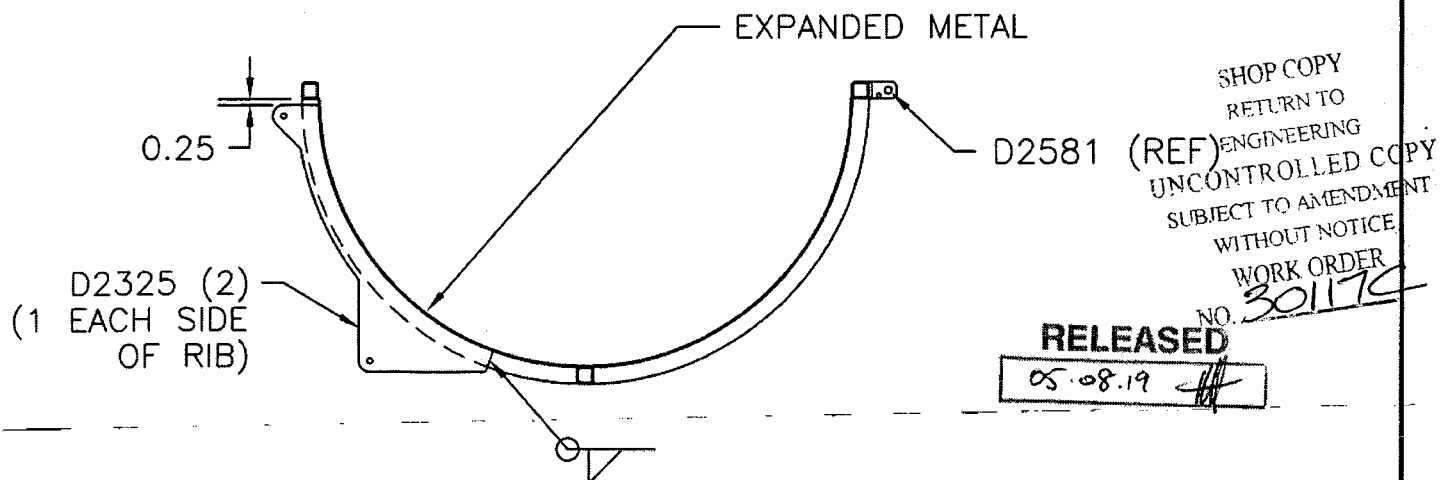
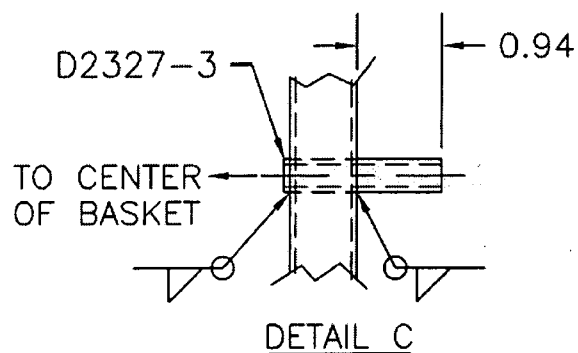
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CHECKED [Signature]	APPROVED [Signature]	DRAWING NO. D2221	REV. F SHEET 3 OF 3
DATE 05.06.07		TITLE BASKET BASE ASSEMBLY (350)	SCALE 1:8



SECTION A-A SAME BOTH END RIBS



SECTION B-B SAME BOTH CENTER RIBS

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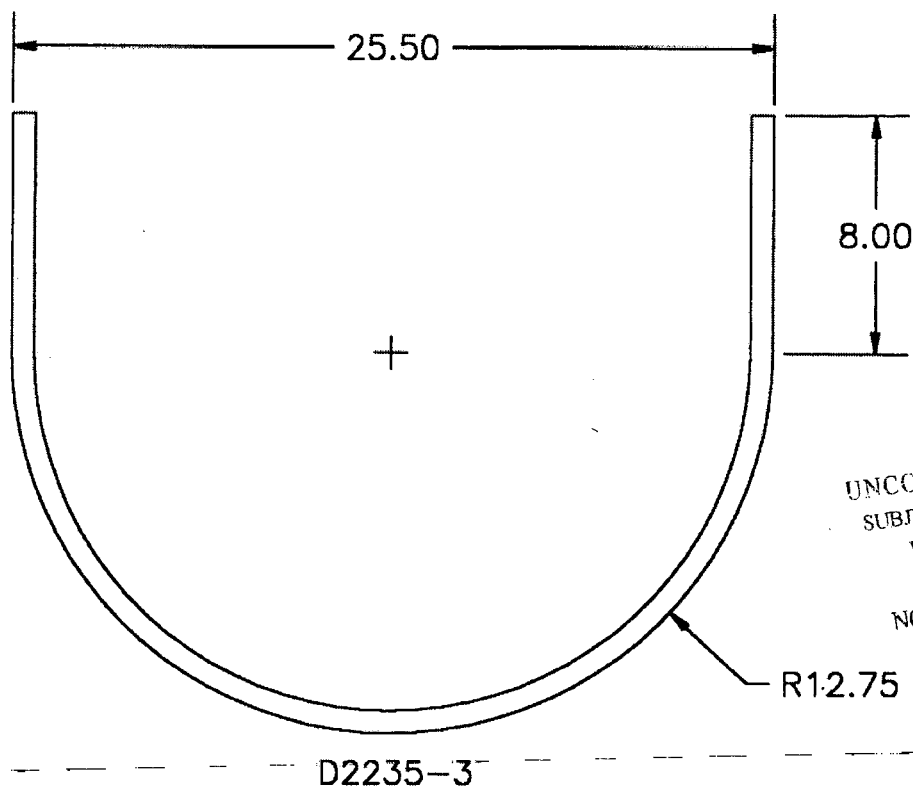
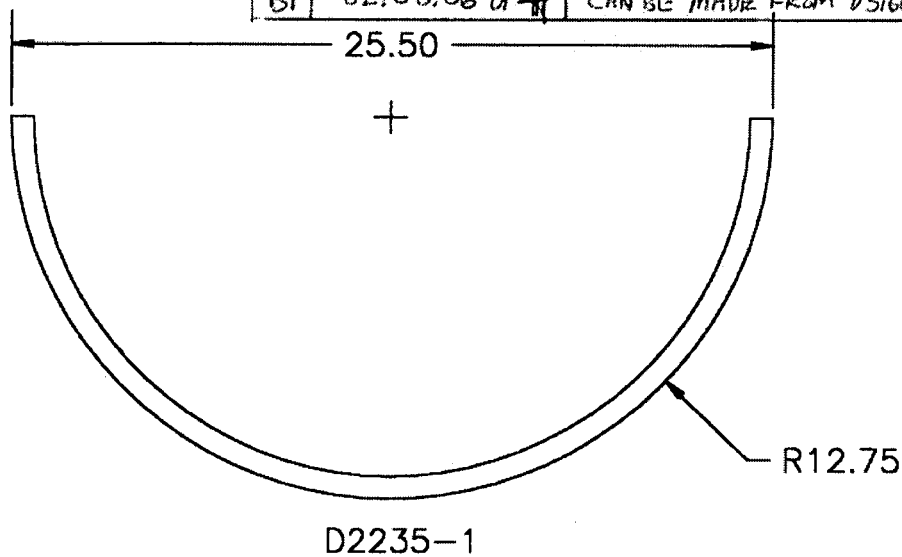
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B WILLIAMS	B WILLIAMS	VICTORIA INTERNATIONAL AIRPORT, CANADA	
CHECKED	APPROVED	DRAWING NO.	REV. B
<i>BW</i>	<i>BW</i>	D2235	SHEET 1 OF 1
DATE	TITLE		SCALE
94:12:16	BASKET RIBS		
BI	02.08.06 <i>U#</i>	CAN BE MADE FROM D3166-1	

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CAN BE MADE FROM D3166-1 *BI*
MATERIAL: 304/316 SS, 3/4 X 3/4 X 0.063 WALL SQR.